



VINPOL™ LD10018

Low Density Polyethylene

Melt Index: 10

Density: 0.918

VINPOL LD10018 is a LDPE extrusion coating/injection molding grade designed for flexible packaging applications such as sugar pouches, industrial and multi-wall bags, treated and primed films and laminations. Other applications include caps and closures, and color concentrates. This product offers high speed extrusion coating at speeds exceeding 1,500 fpm with minimal neck-in.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	10	g/10 min	ASTM D-1238
Density, 23°C	0.918	g/cm3	ASTM D-1505
Flexural Modulus, 1% Secant	33,400 (230)	psi (MPa)	ASTM D-790
Tensile Strength at Break	1,750 (12)	psi (MPa)	ASTM D-638
Tensile Strength at Yield	1,450 (10)	psi (MPa)	ASTM D-638
Tensile Elongation at Break	560	%	ASTM D-638
Tensile Elongation at Yield	19	%	ASTM D-638
Vicat Softening Point	185 (85)	°F (°C)	ASTM D-1525
Hardness	54	Shore D	ASTM D-2240

*Tensile properties were run with a crosshead speed of 20 inches/min or 500 mm/min.
Flexural Modulus properties were run with a crosshead speed of 0.5 inches/min or 12.5 mm/min.
Mechanical tensile properties were run on a Type IV specimen.*

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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